

FIG. 1

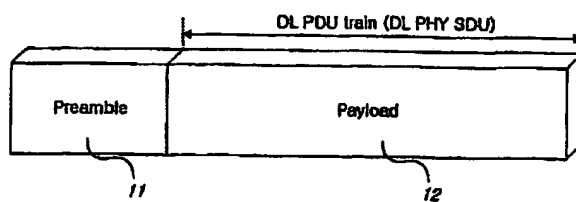


FIG. 2

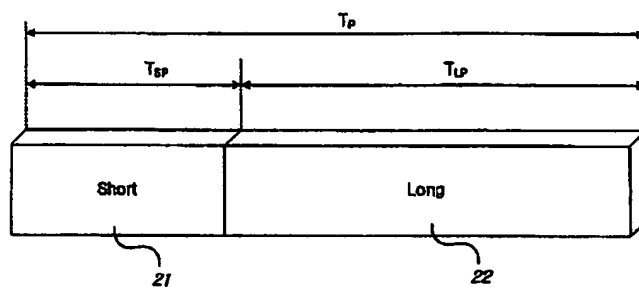


FIG. 3

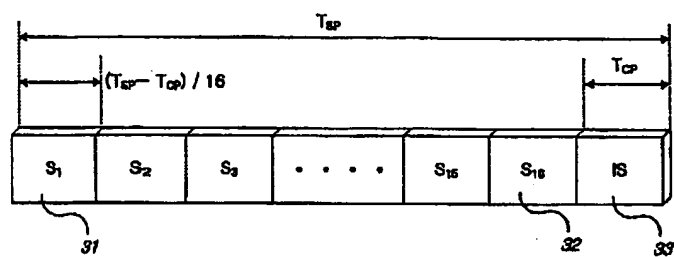


FIG. 4

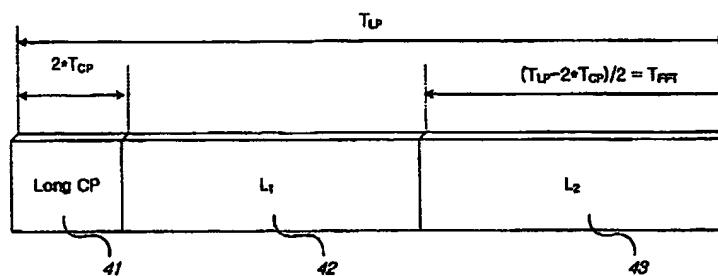


FIG. 5

parameter	value
$T_P$ : PLCP Preamble Period	$6.8\mu s (= T_{SP} + T_{LP})$
$T_{CP}$ : Cycle prefix period	$0.133\mu s (= T_U / 16)$
$T_{SHORT}$ : Short training sequence period	$2.27\mu s$
$T_{LONG}$ : Long training sequence period	$4.53\mu s$

FIG. 6

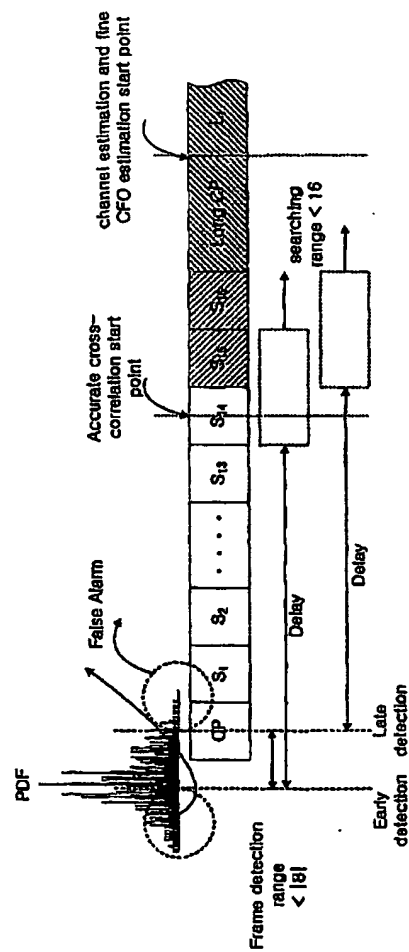


FIG. 7

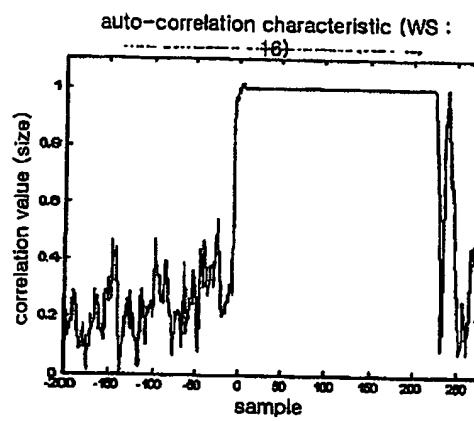


FIG. 8

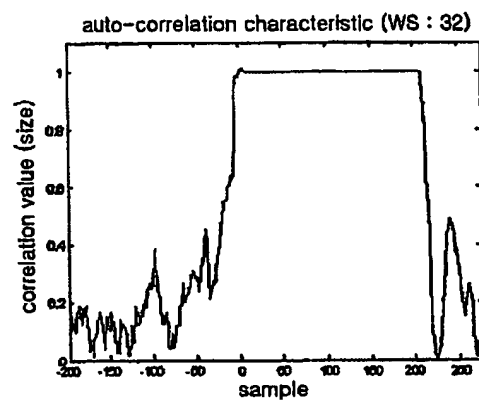




FIG. 9

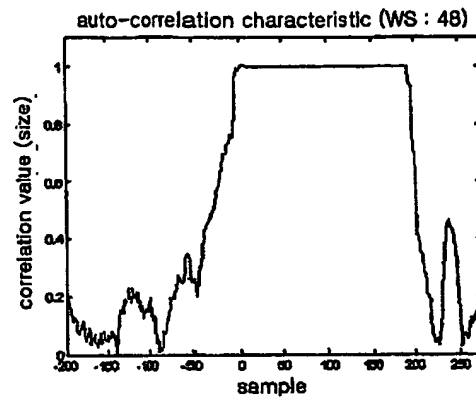


FIG. 10

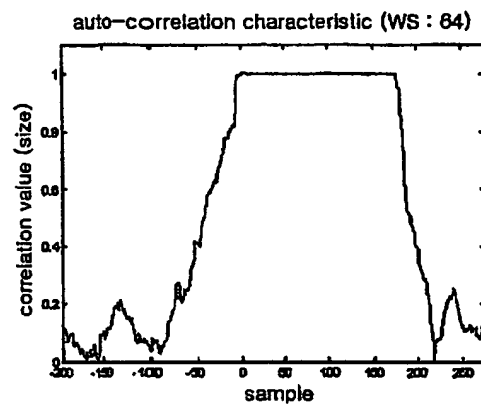


FIG. 11

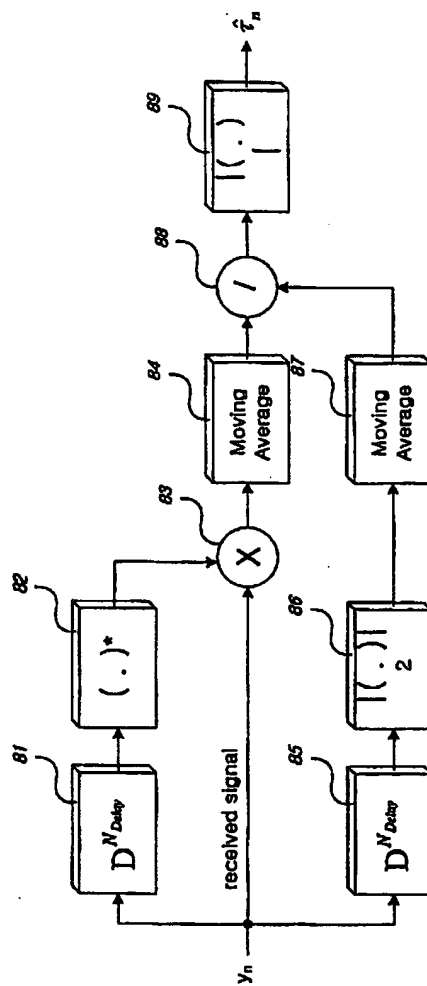
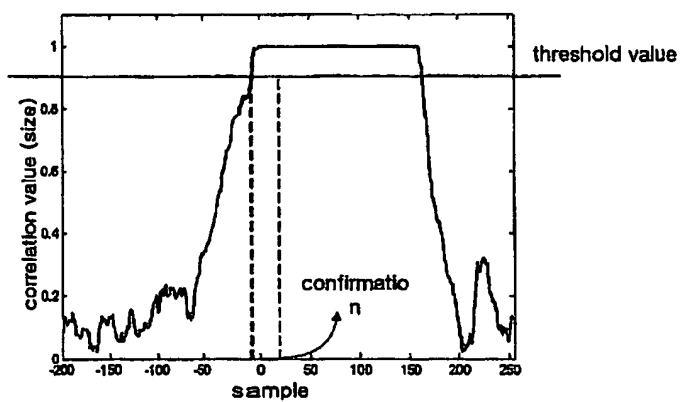


FIG. 12



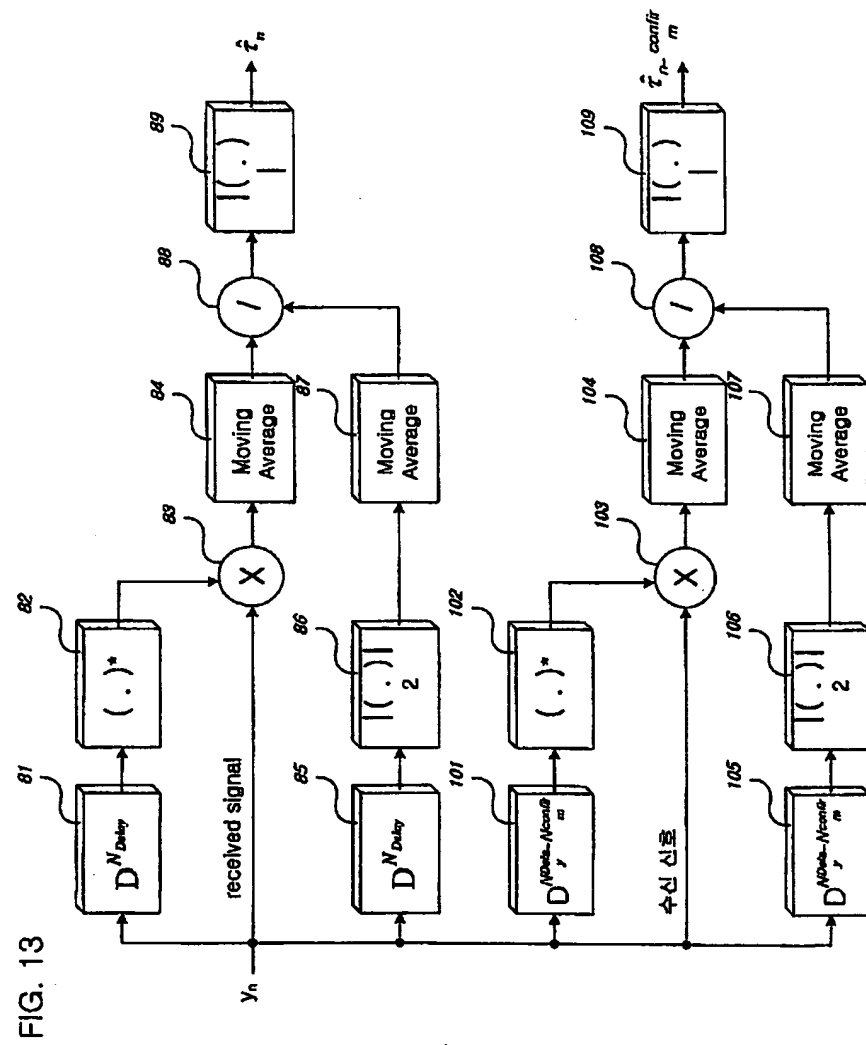


FIG. 14

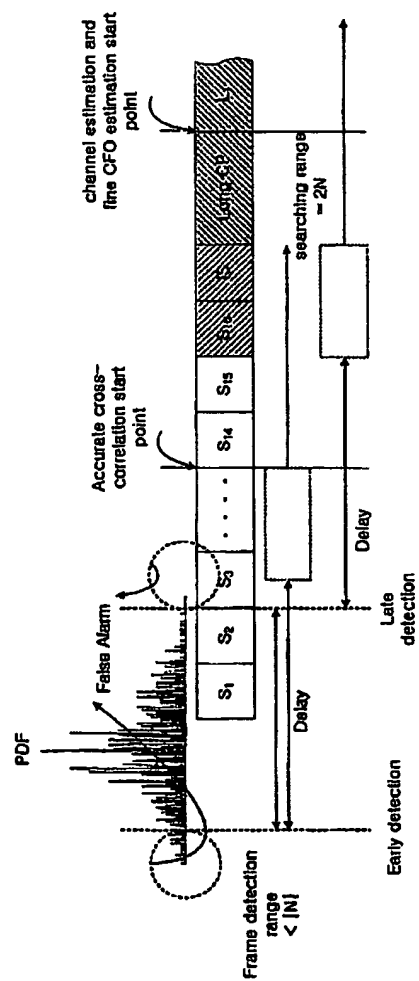


FIG. 15

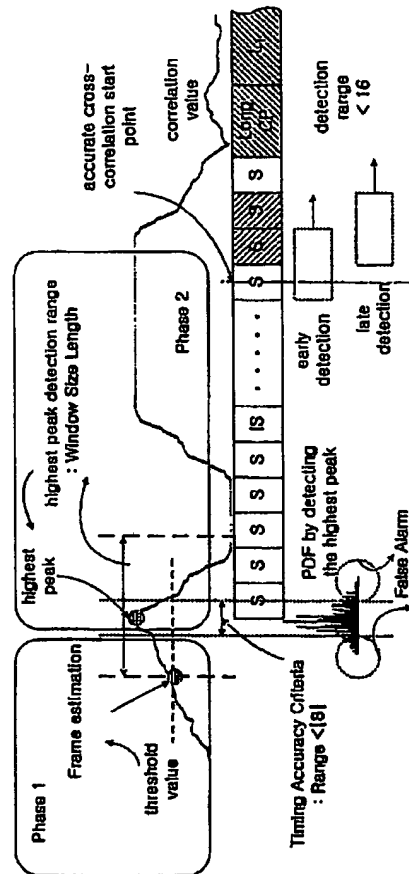


FIG. 16

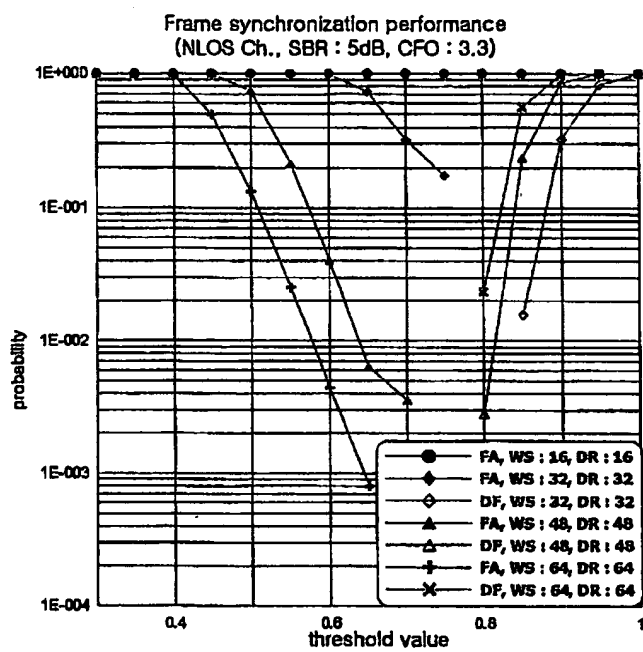




FIG. 17

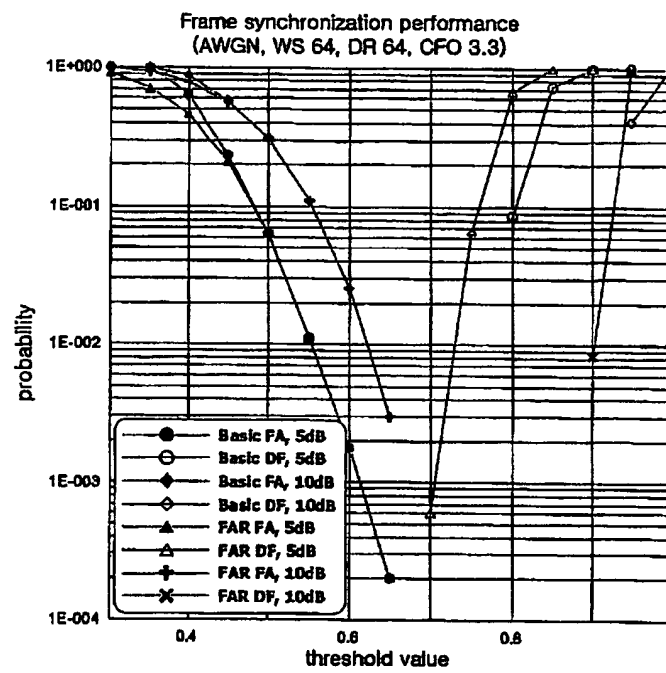


FIG. 18

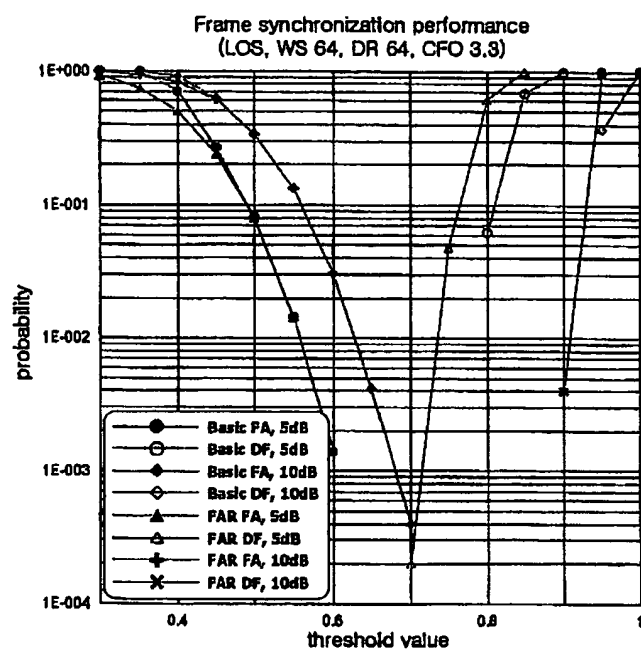


FIG. 19

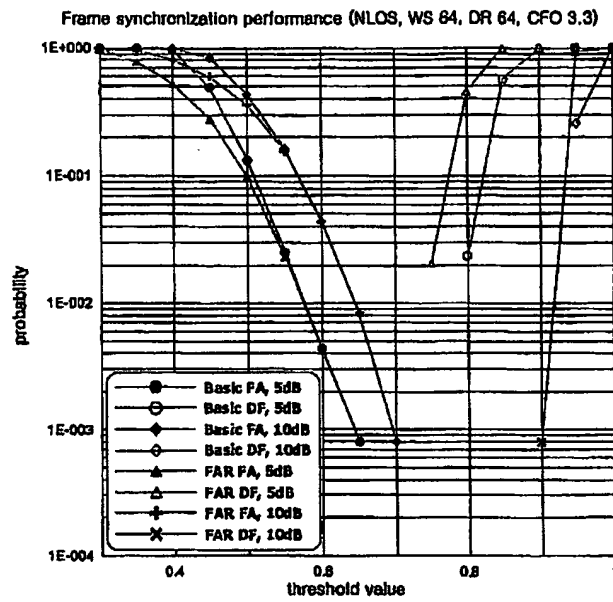


FIG. 20

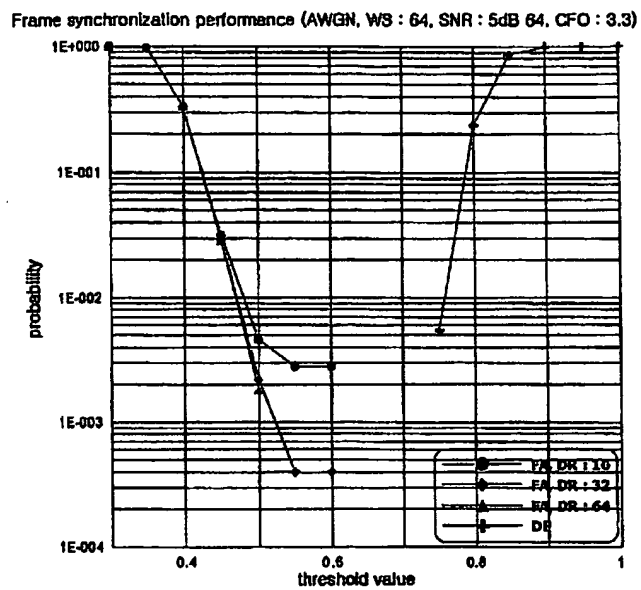


FIG. 21

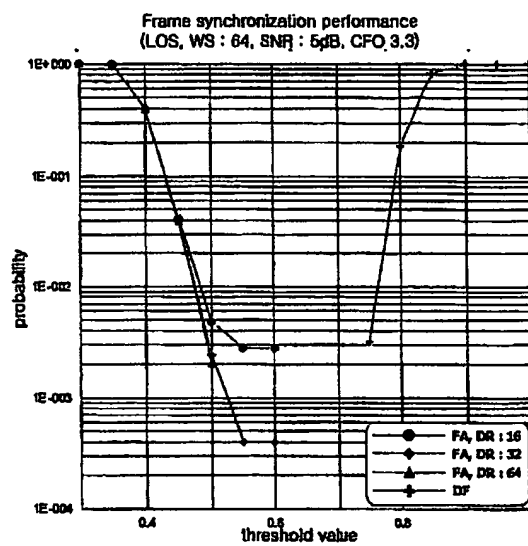


FIG. 22

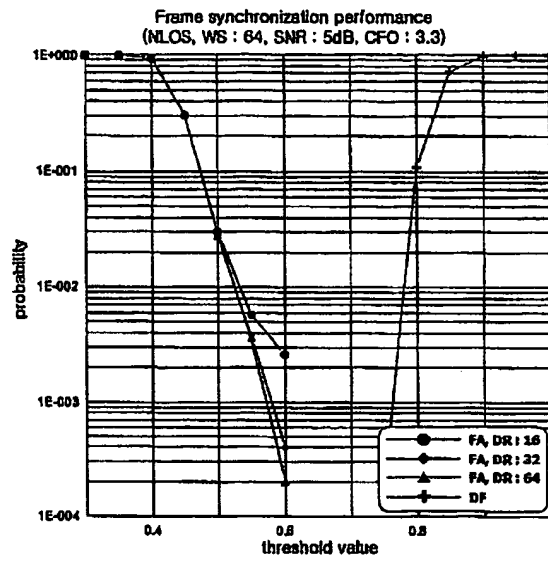


FIG. 23

channel	method 1			method 2 (detection range)		
	Threshold	FA	DF	Threshold	FA	DF
AWGN	0.65	$2.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$	0.60	$2.800 \times 10^{-3}$	$< 2.000 \times 10^{-4}$
LOS		$< 2.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$		$2.800 \times 10^{-3}$	$< 2.000 \times 10^{-4}$
NLOS		$8.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$		$2.600 \times 10^{-3}$	$< 2.000 \times 10^{-4}$

FIG. 24

channel	method 1			method 2 (detection range)		
	Threshold	FA	DF	Threshold	FA	DF
AWGN	0.65	$2.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$	0.60	$4.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$
LOS		$< 2.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$		$4.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$
NLOS		$8.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$		$4.000 \times 10^{-4}$	$< 2.000 \times 10^{-4}$